IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (Currently Amended) A cathode material, comprising:

a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), wherein,

a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula $\text{Li}_a \text{Mn}_b \text{Cr}_c \text{M}_{1-b-c} \text{O}_d$ $\text{Li}_a \text{Mn}_b \text{Cr}_c \text{Al}_{1-b-c} \text{O}_d$ (where a is one of 1.4, 1.5, 1.55 and 1.6 and the values of a, b, c, and d are within the ranges of 1.0 < a < 1.6, 0.5 < b+c < 1, 1.8 < d < 2.5 and M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum).

- 2. (Cancelled)
- 3. (Currently Amended) A cathode material, comprising:

a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), wherein,

a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula Li_{1+e} (Mn_f Cr_g M_{1-f-g})_{1-e} O_h (where M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum, and e is equal to 0.4 and the values of e, f, g and h are within the ranges 0 < e < 0.4, 0.2 < f < 0.5, 0.3 < g < 1, f+g < 1 and 1.8 < h < 2.5).

4. (Currently Amended) A method of manufacturing a cathode material, the cathode material comprising a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and

aluminum (Al), a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar_ratio, and the complex oxide is represented by a chemical formula Li_a Mn_b Cr_c M_{1-b-c} O_d (where a is one of 1.4, 1.5, 1.55 and 1.6 and the values of a, b, c, and d are within the ranges of 1.0 < a < 1.6, 0.5 < b+c < 1, 1.8 < d < 2.5 and M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum), the method comprising the step of:

mixing materials with ethanol as a dispersion medium to synthesize the complex oxide.

5. (Currently Amended) A battery, comprising:

a cathode; an anode; and an electrolyte,

wherein,

the cathode comprises_a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), and a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula Li_a Mn_b Cr_c M_{1-b-c} O_d (where a is one of 1.4, 1.5, 1.55 and 1.6 and the values of \underline{a} , b, c, and d are within the ranges of $\underline{1.0} < a < 1.6$, 0.5 < b+c < 1, 1.8 < d < 2.5 and M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum).

6. (Cancelled)

7. (Currently Amended) A battery, comprising:

a cathode;

an anode; and

an electrolyte,

wherein,

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the cathode comprises a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), and a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and

the complex oxide is represented by a chemical formula Li_{1+e} (Mn_f Cr_g M_{1-f-g})_{1-e} O_h (where M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum, and <u>e is equal to 0.4 and</u> the values of <u>e</u>, f, g and h are within the ranges of $0 \le e \le 0.4$, $0.2 \le f \le 0.5$, $0.3 \le g \le 1$, $f+g \le 1$ and $1.8 \le h \le 2.5$).

8. (Currently Amended) A method of manufacturing a cathode material, the cathode material comprising a complex oxide including lithium (Li), manganese (Mn), chromium (Cr) and at least one kind selected from the group consisting of titanium (Ti), magnesium (Mg) and aluminum (Al), and a composition ratio of lithium to the total of manganese, chromium, titanium, magnesium and aluminum in the complex oxide is larger than 1 in molar ratio, and the complex oxide is represented by a chemical formula Li_{1+e} (Mn_f Cr_g M_{1-f-g})_{1-e} O_h (where M is at least one kind of element selected from the group consisting of titanium, magnesium and aluminum, and e is equal to 0.4 and the values of e, f, g and h are within the ranges of 0 < e < 0.4, 0.2 < f < 0.5, 0.3 < g < 1, f + g < 1 and 1.8 < h < 2.5), the method comprising the step of: mixing materials with ethanol as a dispersion medium to synthesize the complex oxide.